



Date: May 29, 2012

To Whom It May Concern,

The purpose of this letter is to provide an expression of interest for the project: Z-064, WSCF HVAC Control System Upgrade in order to solicit potential offerors for a request for proposal.

Project Background and Description:

The Waste Sampling and Characterization Facility (WSCF), constructed in 1993, is an 18,000 sq. ft. analytical laboratory located on the DOE Hanford site. The WSCF Laboratory utilizes a distributed control system for controlling and monitoring equipment and building conditions including the HVAC system. This system is based on a Robert Shaw® DMS 350A architecture. This system has exceeded its design life and requires an upgrade to support the continuing mission of the laboratory. This control and monitoring system requires replacement with a state-of-the-art system, up to but not including the field device/IO points. The system has become unreliable and spare parts are no longer commercially available.

The scope of Z-064 project shall include, but is not limited to the following:

- Comprehensive assessment of existing system with review of drawings and hardware.
- Design and Fabricate replacement HVAC control system for existing Robert Shaw DMS.
  - New system matching existing system's functions
  - Approximately 350 IO points
  - Include remote summons capability and access systems status remotely
  - Development of new sequence of operation and operating modes
  - Provide procedure and Perform factory acceptance testing
  - Provide procedure for Construction Acceptance Testing
  - Support construction contractor during installation and testing

Attached Reference Drawing:

- H-6-13335, HVAC Control System "Communication Wiring and Schematic"

Sincerely,

A handwritten signature in black ink, appearing to read "Melissa Demiter", is positioned above the typed name.

Melissa Demiter, Contract Specialist  
Mission Support Alliance